CLAIMS

What is claimed is:

1   1.   A method for writing servo information onto a disk

2   of a hard disk drive, comprising:

3   writing a reference servo pattern onto a track of a

4   disk with an off-line servo track writer;

5   assembling the disk into a hard disk drive; and,

6   writing a final servo pattern onto the track of the

7   disk.

1   2.   The method of claim 1, wherein the final servo

2   pattern contains more servo bits per track than the

3   reference servo pattern.

1   3.   The method of claim 2, wherein the reference servo

2   pattern includes A, B and C servo bits, and the final servo

3   pattern includes A, B, C and D servo bits.

1   4.   The method of claim 1, wherein the reference servo

2   pattern is written in a single pass.

1   5.   The method of claim 1, wherein the final servo

2   pattern is written in two passes.

1   6.   The method of claim 1, further comprising writing a

2   reference calibration servo pattern onto the disk with the

3   off-line servo track writer.

1   7.   The method of claim 6, wherein the reference

2   calibration servo pattern includes A, B, C, D, E and F

3   servo bits.

1   8.   A method for writing servo information onto a disk

2   of a hard disk drive, comprising:

3   writing a reference servo pattern onto a track of a

4   disk in a single pass with an off-line servo track writer;

5   assembling the disk into a hard disk drive; and,

6   writing a final servo pattern onto the track of the

7   disk in two passes.

1   9.   The method of claim 8, wherein the final servo

2   pattern contains less servo bits per track than the

3   reference servo pattern.

1   10. The method of claim 9, wherein the reference servo

2 pattern includes A, B and C servo bits, and the final servo

3 pattern includes A, B, C and D servo bits.

1   11. The method of claim 8, further comprising writing

2 a reference calibration servo pattern onto the disk with

3 the off-line servo track writer.

1   12. The method of claim 11, wherein the reference

2 calibration servo pattern includes A, B, C, D, E and F

3 servo bits.